

## GILA RIVER BASIN

09487250 LOS ROBLES WASH NEAR MARANA, AZ

LOCATION.--Lat 32°26'16", long 111°18'13", SE<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub> sec.27, T.11 S., R.10 E., Pima County, Hydrologic Unit 15050304, at Trico Road, 0.75 mi downstream from confluence of Brawley Wash and China Draw, 3 mi upstream Blanco Wash, and 5 mi southwest of Marana.

DRAINAGE AREA.--1,170 mi<sup>2</sup>.

### Annual peak discharges

Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes	Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes
1962	09-26-62	<sup>1</sup> 32,000	HP	1973	10-19-72	1,910	
1966	00-00-66	2,500		1974	07-08-74	630	
1967	07-1-767	80		1975	08-09-75	260	
1968	12-20-67	1,000		1976	09-25-76	1,950	
1969	09-09-69	105		1977	00-00-77	900	
1970	09-05-70	4,490		1978	10-06-77	2,400	
1971	08-18-71	1,770		1984	10-02-83	<sup>2</sup> 12,500	HP
1972	08-00-72	2,750					

<sup>1</sup>Highest since 1885.

<sup>2</sup>Highest since 1962.

Magnitude and probability of instantaneous peak flow based on period of record 1962, 1966-78, 1984

Discharge, in ft <sup>3</sup> /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2 50%	5 20%	10 10%	25 4%	50† 2%	100† 1%
1,140	3,090	4,900	7,670	10,000	12,500
Weighted skew	(logs) =	-0.52			
Mean	(logs) =	3.01			
Standard dev.	(logs) =	0.56			

† Reliability of values in column is uncertain, and potential errors are large.

### Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
25.9	77.2	3,350	4.0	2.0	11.8	2.2	4.5

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09487250 LOS ROBLES WASH NEAR MARANA, AZ--Continued

